

ATTACHMENT

**BOILER INSPECTION REPORTS
AF1222**

**FORT CAMPBELL VISIT NO. 2
NOVEMBER 18-22, 2003**

JANUARY 8, 2004

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		8. DELIVERY ORDER NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		5. PLANT OR BLDG. <i>98</i>	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>34</i>		12A. YEAR BUILT <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12B. YEAR INSTALLED <i>1985</i>	
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4,185 MBH</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>16989 15689</i>		18. USAF NUMBER <i>#2</i>	
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		27. STATEMENT OF BASE CIVIL ENGINEER			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *Type "C" inspection*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *All hand hole plug gasket ARE leaking, CAUSING EXTERNAL CORROSION.*

*LOWER OUTER CASING deteriorated
TOP TRI-COCK VALVE IS LEAKING
LWCO failed to put the boiler into LOCKOUT*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3854</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear, Top tri-cock valve is leaking</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & Flame sensor test SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- All of the hand hole plug gaskets must be replaced. The effected area around the hand hole should be cleaned and preserved to stop the active corrosion.
- The deteriorated lower outer casing should be cut away. New insulation and sheet metal should be installed.
- The leaking tri-cock valve must be replaced.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
 Cpl. U.S. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FF Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		5. PLANT OR BLDG. <i>D-650</i>	
8. DELIVERY ORDER NO.		9. CONTRACT NO.			
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>100</i>		12A. YEAR BUILT <i>1978</i>	
12B. YEAR INSTALLED <i>1978</i>		13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>			
13B. SECONDARY FUEL (Boiler) <i>Oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>FRANE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>15,000 16/hr</i>		17. NATIONAL BOARD NUMBER <i>492</i>	
18. USAF NUMBER <i>#1</i>		19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)			
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>145/150</i>		22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair			
25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1 1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>Test SAT-by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

L. C. Yarbrough

46A. SIGNATURE

L. C. Yarbrough

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson

49. SIGNATURE OF OFFICER IN CHARGE

John Wilson

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>F. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>D-650</i>
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/22/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>100</i>	12A. YEAR BUILT <i>1978</i>	12B. YEAR INSTALLED <i>1978</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>TRANE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>15,000 16/HR</i>	17. NATIONAL BOARD NUMBER <i>491</i>	18. USAF NUMBER <i>#2</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>145/150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unil</i> PSI:	28. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

THE 1ST SAFETY VALVE WOULD NOT OPEN FULLY

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>UNSAT-by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE 1ST 1 1/2" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED
VALVE OF THE SAME SIZE AND CAPACITY.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NIB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

L.C. Yarbrough

46A. SIGNATURE

L.C. Yarbrough

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson

49. SIGNATURE OF OFFICER IN CHARGE

John Wilson

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. Campbell II</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		9. CONTRACT NO. <i>D-650</i>	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION <i>50</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1978</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>	
15. MANUFACTURER <i>TRANE</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>15,000 16/hr</i>		17. NATIONAL BOARD NUMBER <i>490</i>	
18. USAF NUMBER <i>#3</i>					
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>145/150</i>		22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:	
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>Usually good - NOT tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>JAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually good - NOT tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No RECOMMENDATIONS

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

L.C. Yarbrough

46A. SIGNATURE

L.C. Yarbrough

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson

49. SIGNATURE OF OFFICER IN CHARGE

John Wilson

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		5. PLANT OR BLDG. <i>858</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION <i>90</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		12A. YEAR BUILT <i>1986</i>	
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>14,645 MBH</i>		12B. YEAR INSTALLED <i>1986</i>	
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>39686</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>150</i>		18. USAF NUMBER <i>#1</i>	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNE</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		STATEMENT OF BASE CIVIL ENGINEER			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *NO ADVERSE CONDITIONS NOTED*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *NO ADVERSE CONDITIONS NOTED*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>16,964</i>	34. CONDITION AND HOW TESTED <i>USUALLY SAT, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT, NOT TESTED, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Plants

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION		HSBCT CONTRACT NUMBER	
<input type="checkbox"/> Internal and External <input type="checkbox"/> Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> External Under Operation <input type="checkbox"/> External Under Hydrostatic Test <input type="checkbox"/> Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BA <input type="checkbox"/> VA <input type="checkbox"/> BB <input type="checkbox"/> VB <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC <input type="checkbox"/> BD <input type="checkbox"/> VD <input type="checkbox"/> BE <input type="checkbox"/> VE	
2. INSTALLATION <i>St. Campbell</i>		2A. CITY	
3. STATE <i>KY</i>		4. ZIP CODE <i>40475</i>	
5. PLANT OR BLDG. <i>858</i>		9. CONTRACT NO.	
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>	
8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>90</i>	
12A. YEAR BUILT <i>1986</i>		12B. YEAR INSTALLED <i>1986</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>	
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		15. MANUFACTURER <i>KEWANEE</i>	
16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>11,716 MBH</i>		17. NATIONAL BOARD NUMBER <i>39687</i>	
18. USAF NUMBER <i>#2</i>		19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>150</i>	
22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)	
STATEMENT OF BASE CIVIL ENGINEER			
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>			
EXTERNAL INSPECTION			
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>			
30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT</i>			
INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES		32. SIZE Number: <i>1-2", 1-1/2"</i>	
33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>18,310</i>		34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>	
35. PRESSURE GAGES		36. CORRECTION TAKEN (if none give reason) <i>SAT</i>	
37. OTHER APPLIANCES		38. CONDITION <i>CLEAN & CLEAR</i>	
39. REGULATORS AND CONTROLS		40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT.</i>	
41. ASME CODES			
Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain)			

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Plants

46A. SIGNATURE

Roger P Chism

46B. DATE OF SIGNATURE

19 Nov 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAPPER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

23

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT Campbell</i>	2A. CITY	3. STATE <i>NY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3213</i>	
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>36</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3348 MBH</i>	17. NATIONAL BOARD NUMBER <i>38570</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

LWCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5509</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

Supv., I.M. Shop

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3213</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>36</i>		12A. YEAR BUILT <i>1984</i>		12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3348 MBH</i>		17. NATIONAL BOARD NUMBER <i>38582</i>		18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

*Bottom Tri-cock VALVE LEAKING, BURN HAZARD
All gauges on burner ARE INOPERATIVE, FACE PLATE MISSING FROM GAS PRESSURE SWITCH*

LWCO FAILED TO PUT THE BOILER INTO LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5509</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR, Tri-cock VALVE LEAKING</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO TEST SAT, FLAME SENSOR TEST SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The bottom TRI-COCK VALVE is spraying water and creating a burn hazard for operating personnel. This boiler should be taken out of service and the TRI-COCK VALVE replaced.
- All 3 gas pressure gauges and the pressure switch on the burner should be replaced.
- The secondary low water fuel cutoff device must be equipped with a manual reset which puts the boiler into lockout following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

11811658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(278) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supt. L.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3213</i>
6. DATE OF INSPECTION <i>11/18/03</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>32</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,348 MBH</i>	17. NATIONAL BOARD NUMBER <i>38577</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
EXTREMELY HEAVY BUILD UP OF SCALE ON ALL TUBE AND WATERSIDE SURFACES. LARGE ACCUMULATION OF SCALE IN BOTTOM OF BOILER. HEAVY SCALE BUILD-UP IN LWCO FLOAT CHAMBER. EVIDENCE OF TUBE LEAKAGE AT REAR TUBE SHEET.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5,509</i>	34. CONDITION AND HOW TESTED <i>USUALLY SAT</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>HEAVY SCALE IN LWCO FLOAT CHAMBER</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

HEAVY SCALE CAN REDUCE CIRCULATION AND CAUSE OVERHEATING. SCALE ALSO GREATLY REDUCES THE BOILER'S EFFICIENCY. THIS BOILER SHOULD ACID CLEANED TO REMOVE THE SCALE BUILD-UP.

SEVERAL TUBES APPEAR TO BE LEAKING AS EVIDENCED BY CHEMICAL BUILD UP. THE BOILER SHOULD BE HYDROSTATICALLY TESTED. ALL LEAKING TUBES SHOULD BE REPAIRED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-83

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270)798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION <i>38</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 lb/hr</i>		17. NATIONAL BOARD NUMBER <i>15682</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		18. USAF NUMBER <i>#1</i>			
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Condition

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,311</i>	34. CONDITION AND HOW TESTED <i>Visually SAT, NOT tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Good</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually Good, not tested, boiler idle</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-18-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE				
2. INSTALLATION <i>H. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3214</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>36</i>		12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>		
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 16/HR</i>		17. NATIONAL BOARD NUMBER <i>15683</i>		18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

No Adverse Conditions

LWCO failed to put the boiler into lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,311</i>	34. CONDITION AND HOW TESTED <i>Test SAT. by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT.</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

22

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3214</i>	
6. DATE OF INSPECTION <i>18 Nov. 2003</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>34</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 psi</i>			
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 16/hr</i>	17. NATIONAL BOARD NUMBER <i>15677</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

STATEMENT OF BASE CIVIL ENGINEER

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions noted

LWCO failed to put the boiler into Lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1 1/2, 1-1 1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,311</i>	34. CONDITION AND HOW TESTED <i>Test SAT. - by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3902</i>
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/22/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel					
11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned					
11A. PRESSURE PREVIOUS INSPECTION <i>86</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1976</i>	12B. YEAR INSTALLED <i>1976</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>NEBRASKA</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>15,000 16/hr</i>	17. NATIONAL BOARD NUMBER <i>1709</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>115/120</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

*WATERSIDES VERY CLEAN, NO ADVERSE CONDITIONS
FIRESIDES - FRONT & REAR WALL SEALS FALLING AWAY.*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>22,545</i>	34. CONDITION AND HOW TESTED <i>USUALLY SAT - NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT, NOT TESTED, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE WOOL FIBER SEALS SHOULD BE REPLACED ALONG THE FRONT AND REAR WALLS TO PROTECT THE OUTER CASING.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Plants

46A. SIGNATURE

R. P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 998 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION FT CAMPBELL		2A. CITY		3. STATE KY	4. ZIP CODE 40475
6. DATE OF INSPECTION 11/19/03		7. DATE OF LAST INSPECTION 10/22/03		5. PLANT OR BLDG. 3902	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION 0		11B. PRESSURE THIS INSPECTION 92		11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) oil		12A. YEAR BUILT 1976	
15. MANUFACTURER NEBRASKA		16. MANUFACTURER'S RATING MBTU /LBS. / HR 50,000 16/HR		12B. YEAR INSTALLED 1976	
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER 1706		18. USAF NUMBER #2	
20. METHOD OF FIRING (Boilers) AUTO BURNER		21. SAFETY/RELIEF VALVES SETTING 115/120		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: UNK PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)			

STATEMENT OF BASE CIVIL ENGINEER

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) TYPE "C" INSPECTION	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) NO ADVERSE CONDITIONS NOTED	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 55,954	34. CONDITION AND HOW TESTED TEST SAT BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SRT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Plants

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 Nov 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3902</i>
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/22/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>100</i>	12A. YEAR BUILT <i>1976</i>	12B. YEAR INSTALLED <i>1976</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>NEBRASKA</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>50,000 15/hr</i>	17. NATIONAL BOARD NUMBER <i>1707</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>115/120</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

THE LWCO FAILED TO PUT THE BOILER INTO LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>55,594</i>	34. CONDITION AND HOW TESTED <i>TEST SAT - by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT.</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE SECONDARY LOW WATER FUEL CUTOFF MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NIB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Plants

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Capt., L.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE				
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3902</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>N/A</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>N/A</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>2000</i>		12B. YEAR INSTALLED <i>2000</i>
13A. PRIMARY FUEL (Boiler) <i>NAT GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>		
15. MANUFACTURER <i>DONLEE</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>34,000 15/hr</i>		17. NATIONAL BOARD NUMBER <i>28163</i>		18. USAF NUMBER <i>#4</i>
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>N/A</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
FIRE SIDES - BURNER APPEARS MISALIGNED TO THE FURNACE TUBE. SEVERAL LARGE KLINKERS HAVE FORMED @ 270° POSITION. REFRACTORY SEAL BETWEEN BURNER AND FURNACE TUBE FALLING AWAY. WATERSIDES - OXYGEN BLISTER ARE FORMING THROUGHOUT

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>40,140</i>	34. CONDITION AND HOW TESTED <i>USUALLY SAT - NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT, NOT TESTED, BOILER IDLE</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The burner alignment should be verified and corrected before the boiler is placed back into service.
- All crumbling refractory should be repaired to prevent overheating of the furnace tube end.
- The boiler has been standing idle for an extended period. Oxygen blisters have begun to develop throughout the watersides. If the boiler is to be out of service for a long time, it should be placed under a dry lay-up as outlined in the NBIC.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Plants

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., L.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

18

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FF. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		5. PLANT OR BLDG. <i>5207</i>	
8. DELIVERY ORDER NO.		9. CONTRACT NO.			
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>37</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1984</i>	
12B. YEAR INSTALLED <i>1984</i>		13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>			
13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>			
15. MANUFACTURER <i>KEURNEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2343 MBH</i>		17. NATIONAL BOARD NUMBER <i>38467</i>	
18. USAF NUMBER <i>#1</i>		19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)			
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair			
25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>NO ADVERSE CONDITIONS</i>	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS</i>	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>Good</i>	
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INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: <i>5493</i> LB/HR: <i>7625</i>	34. CONDITION AND HOW TESTED <i>Not tested, 6/12/16</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT, Not tested, boiler idle</i>		
41. ASME CODES Does plant comply with code, welding, materials, configuration, etc? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)			

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

NO RECOMMENDATIONS

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

19

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5207</i>
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6. DATE OF INSPECTION <i>11/18/03</i>	7. DATE OF LAST INSPECTION <i>10/20/03</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.
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10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION <i>37</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>
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15. MANUFACTURER <i>Kewanee</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>2,343</i>	17. NATIONAL BOARD NUMBER <i>39366</i>	18. USAF NUMBER <i>#2</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)	STATEMENT OF BASE CIVIL ENGINEER
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28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>No Adverse Conditions</i>
--

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>No Adverse Conditions</i>

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT.</i>
--

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: <i>5493</i> LB/HR: <i>7625</i>	34. CONDITION AND HOW TESTED <i>Visually SAT. Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, Not tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)
--	---

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(210) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		8. DELIVERY ORDER NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>30</i>		12A. YEAR BUILT <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12B. YEAR INSTALLED <i>1985</i>	
15. MANUFACTURER <i>KOWANEE</i>		18. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2343 MBH</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>39308</i>		18. USAF NUMBER <i>#1</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE C INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO Failed to put boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1.2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3846</i>	34. CONDITION AND HOW TESTED <i>Test SAT by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>CLEAN & CAL SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR Test SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-24-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

ANTHONY ANDERSON, SUPERVISOR BOILER PLANT SECTION

49. SIGNATURE OF OFFICER IN CHARGE

A. Anderson

50. DATE OF SIGNATURE

11/24/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

17

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION		
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE		
2. INSTALLATION <i>FL CAMPBELL</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5210</i>
6. DATE OF INSPECTION <i>11/18/03</i>	7. DATE OF LAST INSPECTION <i>10/20/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>32</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>		
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>2,511 MBH</i>	17. NATIONAL BOARD NUMBER <i>16165</i>	18. USAF NUMBER <i>#2</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)				

STATEMENT OF BASE CIVIL ENGINEER

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO failed to put boiler into lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3872</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR Test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer
16165

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

16

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE				
2. INSTALLATION <i>FF Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6256</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>30</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>CLEVER BROOKS</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>1,255 MBH</i>		17. NATIONAL BOARD NUMBER <i>60018</i>		18. USAF NUMBER <i>#1</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		
STATEMENT OF BASE CIVIL ENGINEER						
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)						

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *VERY HEAVY SCALE ACCUMULATION IN BOTTOM BRIDGED BETWEEN FURNACE TUBE AND SHELL.*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *LOWER OUTER CASING DETEIORATED, LOOSE AND HANGING. LOWER RIGHT HAND HOLE GASKET LEAKING, CAUSING CORROSION OF THE BOILER SHELL AND SUPPORT LOG.*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR:	
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>	34. CONDITION AND HOW TESTED <i>Not tested, ble. Idle</i>	
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, Not tested, boiler Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The boiler should be thoroughly cleaned to remove scale accumulation.
- The deteriorated sections of the outer casing should be cut away. New insulation and sheet metal should be installed. The area around the hand hole should be wire brushed and preserved.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

13

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>ET CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6726</i>
6. DATE OF INSPECTION <i>11/18/03</i>	7. DATE OF LAST INSPECTION <i>10/20/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>38</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1995</i>	12B. YEAR INSTALLED <i>1985</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>			
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4,185 MBH</i>	17. NATIONAL BOARD NUMBER <i>15679</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: _____ PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
SHEET INDICATION OF SEVERAL TUBES LEAKING AT REAR TUBES

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
1ST SAFETY VALVE LEAKING

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2"</i>	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: <i>3340</i>	34. CONDITION AND HOW TESTED <i>VISUALLY POOR, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>VISUALLY SAT NOT TESTED, BOILER IDLE</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The boiler should be hydrostatically tested. All leaking tubes must be repaired.
- The 1st 1 1/4" safety valve appears to be leaking during operation. This valve should be replaced with an ASME approved safety valve of the same size and capacity.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer
15679

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

14

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION		
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE		
2. INSTALLATION FT. CAMPBELL	2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6726
6. DATE OF INSPECTION 11/18/03	7. DATE OF LAST INSPECTION 10/21/03	8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 36	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985	
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI		
15. MANUFACTURER Burnham	16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,185	17. NATIONAL BOARD NUMBER 15680	18. USAF NUMBER #2	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		
STATEMENT OF BASE CIVIL ENGINEER				
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)				

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 14,140	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR Test SAT		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER					1. TYPE OF INSPECTION				
					Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE				
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6726</i>			
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.			
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel					11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION <i>38</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>			
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 psi</i>					
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4,185 MBH</i>		17. NATIONAL BOARD NUMBER <i>15678</i>		18. USAF NUMBER <i>#3</i>			
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)									
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: _____ PSI:					

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

1st Safety Valve Leaking,

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2</i>	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: <i>14,140</i>	34. CONDITION AND HOW TESTED <i>Usually Poor, Leaking</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT, Not Tested, boiler idle</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE 1ST SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>LT CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		5. PLANT OR BLDG. <i>6732</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>38</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12B. YEAR INSTALLED <i>1985</i>	
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3,450 MBH</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>15686</i>		18. USAF NUMBER <i>#1</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

No Adverse conditions noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,170</i>	34. CONDITION AND HOW TESTED <i>Visually SAT, Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, Not tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichol

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION FT CAMPBELL		2A. CITY		3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6732
6. DATE OF INSPECTION 11/18/03		7. DATE OF LAST INSPECTION 10/20/03		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 35		11B. PRESSURE THIS INSPECTION 0		12A. YEAR BUILT 1985		12B. YEAR INSTALLED 1985
13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) N/A		14. DESIGN WORKING PRESSURE OR TEMPERATURE 150		
15. MANUFACTURER Burnham		16. MANUFACTURER'S RATING MBTU / LBS. / HR 3,450 16/hr		17. NATIONAL BOARD NUMBER 15687		18. USAF NUMBER #1
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) AUTO BURNER		21. SAFETY/RELIEF VALVES SETTING 50		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: unk PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/2, 1-1/4	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,170	34. CONDITION AND HOW TESTED Usually SAT, not tested
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION Usually SAT, not tested, boiler idle		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

12

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION FT. CAMPBELL		2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6732
6. DATE OF INSPECTION 11/18/03	7. DATE OF LAST INSPECTION 10/20/03	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 40	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER BURNHAM	16. MANUFACTURER'S RATING MBTU / LBS. / HR 3,450 16/HR	17. NATIONAL BOARD NUMBER 15688	18. USAF NUMBER #3		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO FAILED TO PUT BOILER INTO LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/2, 1-1/4	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,170	34. CONDITION AND HOW TESTED TEST SAT. BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT.		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION FT. CAMPBELL		2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6801
6. DATE OF INSPECTION 11/18/03	7. DATE OF LAST INSPECTION 10/20/03	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 36	12A. YEAR BUILT 1984	12B. YEAR INSTALLED 1984		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER INDUSTRIAL	16. MANUFACTURER'S RATING MBTU / LBS. / HR 2070 16/hr	17. NATIONAL BOARD NUMBER 3362	18. USAF NUMBER #1		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
GAS REGULATOR WENT NOT TAW ASD-1

LOWER GAUGE GLASS CUTOUT VALVE LEAKING
Blow down piping disconnected

LWCO Failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4260	34. CONDITION AND HOW TESTED Test SAT. by HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION GAUGE GLASS LEAKING		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT.		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- ASME CSD-1 Requires the gas regulator be vented outside the boiler room to prevent unburned gas from accumulating inside with a lighted boiler.
- The lower gauge glass cutout valve must be repaired or replaced
- The blow down piping must be connected to prevent burns to operating personnel.
- The secondary low water fuel cutout device must be equipped with a manual reset which puts the boiler into lock out following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

AF1222 REV 2/02

50. DATE OF SIGNATURE

11/19/03

3362

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		5. PLANT OR BLDG. <i>6843</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>34</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12A. YEAR BUILT <i>1985</i>	
15. MANUFACTURER <i>CLAUER BROOKS</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>15 = 150 5g/pt.</i>		12B. YEAR INSTALLED <i>1985</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>60048</i>		18. USAF NUMBER <i>#1</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		STATEMENT OF BASE CIVIL ENGINEER			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *TYPE "C" INSPECTION*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO failed to put the boiler into lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,503</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR Test SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☒ Yes ☐ No43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer
60049

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA
		Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB
		External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC
		External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD
		Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE
2. INSTALLATION	2A. CITY	3. STATE	4. ZIP CODE	5. PLANT OR BLDG.	
<i>Et Campbell</i>		<i>KY</i>	<i>40475</i>	<i>6849</i>	
6. DATE OF INSPECTION	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
<i>11/18/03</i>	<i>10/21/03</i>				
10. OBJECT			11. PLANT		
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION	12A. YEAR BUILT	12B. YEAR INSTALLED		
<i>0</i>	<i>41</i>	<i>1985</i>	<i>1985</i>		
13A. PRIMARY FUEL (Boiler)	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE			
<i>NAT. GAS</i>	<i>N/A</i>	<i>150</i>			
15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU /LBS. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER		
<i>CLAUDE BROOKS</i>	<i>45 = 350 5g/14</i>	<i>59960</i>	<i>#1</i>		
19. USE					
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers)	21. SAFETY/RELIEF VALVES SETTING	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED	
<i>AUTO BURNER</i>	<i>50</i>			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST	25. LAST HYDROSTATIC TEST	26. HYDROSTATIC TEST		27. PSI:	
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	Date: <i>UNK</i> PSI:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

1. REAR FLAME OBSERVATION GLASS BROKEN.
2. HOT SPOT ON REAR DOOR.
3. LEAKING AT REAR TUBESHEET
4. BOILER VERY SLOW TO BLOWDOWN.
5. EVIDENCE OF LEAKAGE ON RIGHT SIDE HAND HOLE PLUG CAUSING CORROSION TO BOILER SHELL AND RIGHT SUPPORT LEG.
6. LWCO FAILED TO PUT BOILER INTO LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Corroded support leg.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,633</i>	34. CONDITION AND HOW TESTED <i>TEST SAT. BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- WATER WAS NOTED LEAKING FROM THE REAR TUBESHEET WHILE THE BOILER WAS OPERATING. THE BOILER MUST BE REMOVED FROM SERVICE UNTIL ALL LEAKING TUBES ARE REPAIRED.
- THE RIGHT SIDE HAND HOLE PLUG GASKET SHOULD BE REPLACED. THE EFFECTED AREA AROUND THE HAND HOLE AND THE SUPPORT LEG SHOULD BE CLEANED AND PRESERVED.
- THE REAR DOOR REFRACTORY SHOULD BE INSPECTED AND REPAIRED IF REQUIRED. THE DOOR SHOULD BE WIRE BRUSHED TO REMOVE RUST THEN PRESERVED. THE FLAME OBSERVATION PORT GLASS MUST BE REPLACED.
- THE BOILER AND BLOWDOWN PIPING SHOULD BE THOROUGHLY CLEANED.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6929</i>	
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>34</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 psi</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3348 MBH</i>	17. NATIONAL BOARD NUMBER <i>38325</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>	

LWCC failed to put the boiler into lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>Good</i>	
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INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-3"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5,495</i>	34. CONDITION AND HOW TESTED <i>Test SAT. by HRAID</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCC & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

The secondary low water fuel cutout device must be equipped with a manual reset which puts the boiler into lockout following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5153

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER		2A. CITY	3. STATE	4. ZIP CODE	5. PLANT OR BLDG.
FT. CAMPBELL			KY	40475	6929

6. DATE OF INSPECTION	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	9. CONTRACT NO.
11/19/03	10/21/03		

10. OBJECT	11. PLANT
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned

11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION	12A. YEAR BUILT	12B. YEAR INSTALLED
34	0	1984	1984

13A. PRIMARY FUEL (Boiler)	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE
NAT. GAS	N/A	150 psi

15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU / LBS. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER
KEWANEE	3348 MBH	38429	#2

19. USE	20. METHOD OF FIRING (Boilers)	21. SAFETY/RELIEF VALVES SETTING	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	Auto Burner	50		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

24. PURPOSE OF HYDROSTATIC TEST	25. LAST HYDROSTATIC TEST	26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	Date: <u>UNK</u> PSI:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER	
27. REPAIRS MADE SINCE LAST INSPECTION	
<input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)	

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)	
No Adverse Conditions Noted	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)	
No Adverse Conditions Noted	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES	
SAT	

INSPECTION OF SAFETY DEVICE	
31. SAFETY/RELIEF VALVES	32. SIZE
	Number: 1-3"

33. TOTAL CAPACITY	34. CONDITION AND HOW TESTED
CFM: BTU/HR: LB/HR: 5,495	Visually SAT, not tested

35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason)
	SAT

37. OTHER APPLIANCES	38. CONDITION
	CLEAN & CLEAR

39. REGULATORS AND CONTROLS	40. CONDITION
	Visually SAT, not tested, boiler idle

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)	

AF1222 REV 2/02	
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INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FL CAMPBELL</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6929</i>
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>36</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3348 MBH</i>	17. NATIONAL BOARD NUMBER <i>38405</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
SAFETY VALVE LEAKING DURING OPERATION

LWCO Failed to put the boiler into lockout
30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-3"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5495</i>	34. CONDITION AND HOW TESTED <i>PCCR, LEAKING, TEST SAT</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The 3" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED VALVE OF THE SAME SIZE & CAPACITY.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6936</i>	
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/21/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>32</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU/LBS. / HR <i>2343 MBH</i>	17. NATIONAL BOARD NUMBER <i>38117</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

STATEMENT OF BASE CIVIL ENGINEER

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

SECONDARY LWCO shut the boiler down prematurely, -1"

LWCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,266</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Good</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE SECONDARY (probe) LOW WATER FUEL CUTOFF SHOULD BE REMOVED AND EXAMINED FOR DAMAGE, REPLACE IF NECESSARY.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE				
2. INSTALLATION FF. CAMPBELL		2A. CITY		3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6936
6. DATE OF INSPECTION 11/19/03		7. DATE OF LAST INSPECTION 10/21/03		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 36		11B. PRESSURE THIS INSPECTION 0		12A. YEAR BUILT 1984		12B. YEAR INSTALLED 1984
13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) N/A		14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI		
15. MANUFACTURER KEWANEE		16. MANUFACTURER'S RATING MBTU /LBS. / HR 2343 MBH		17. NATIONAL BOARD NUMBER 38119		18. USAF NUMBER #2
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) AUTO BURNER		21. SAFETY/RELIEF VALVES SETTING 50		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: UNK PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		
STATEMENT OF BASE CIVIL ENGINEER						
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)						

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,266	34. CONDITION AND HOW TESTED Usually SAT, Not Tested
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION Usually SAT, Not Tested, boiler idle		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION FT. CAMPBELL		2A. CITY		3. STATE KY	4. ZIP CODE 40475
6. DATE OF INSPECTION 11/19/03		7. DATE OF LAST INSPECTION 10/21/03		5. PLANT OR BLDG. 6938	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION 32		11B. PRESSURE THIS INSPECTION 0		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) N/A		12A. YEAR BUILT 1985	
15. MANUFACTURER BURNHAM		16. MANUFACTURER'S RATING MBTU / LBS. / HR 3450 16/hr		12B. YEAR INSTALLED 1985	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER 15685		18. USAF NUMBER #1	
20. METHOD OF FIRING (Boilers) AUTO BURNER		21. SAFETY/RELIEF VALVES SETTING 50		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: UNK PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)			

STATEMENT OF BASE CIVIL ENGINEER

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) MODERATE SCALE IN BOTTOM OF WATER	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) NO ADVERSE CONDITIONS NOTED	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/2, 1-1/4	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4238	34. CONDITION AND HOW TESTED Visually SAT, not tested
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION NEW		
39. REGULATORS AND CONTROLS	40. CONDITION Visually SAT, not tested, boiler idle		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

Proper chemical treatment and blowdowns must be administered to control scale and increase efficiency.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>ET CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		5. PLANT OR BLDG. <i>6938</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>36</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12A. YEAR BUILT <i>1984</i>	
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 16/hr</i>		12B. YEAR INSTALLED <i>1984</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>15676</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		18. USAF NUMBER <i>#2</i>	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNIC</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		STATEMENT OF BASE CIVIL ENGINEER			
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

LUCCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,238</i>	34. CONDITION AND HOW TESTED <i>Test SAT by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LUCCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☒ Yes ☐ No43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NIB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER

Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>H. Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6938</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>38</i>		12A. YEAR BUILT <i>1984</i>		12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>		
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 16/hr</i>		17. NATIONAL BOARD NUMBER <i>15675</i>		18. USAF NUMBER <i>#3</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

LWCO failed to put the boiler into lockout
30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1 1/2, 1-1 1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,238</i>	34. CONDITION AND HOW TESTED <i>1 1/4" LEAKING - UNSAT</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE 1 1/4" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED VALVE OF THE SAME SIZE AND CAPACITY.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

FW Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11 / 20 / 03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		5. PLANT OR BLDG. <i>6944</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION <i>36</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12A. YEAR BUILT <i>1983</i>	
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,348 MBH</i>		12B. YEAR INSTALLED <i>1983</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>37395</i>		18. USAF NUMBER <i>#1</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input type="checkbox"/> None <input checked="" type="checkbox"/> Other (Specify) <i>NEW MAIN STEAM STOP VALVE</i>					
INTERNAL INSPECTION					
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>					
EXTERNAL INSPECTION					
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>					
30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT</i>					
INSPECTION OF SAFETY DEVICE					
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,260</i>		34. CONDITION AND HOW TESTED <i>USUALLY SAT</i>	
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>				
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>				
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT, NOT TESTED, BOILER IDLE</i>				
41. ASME CODES					
Does plant comply with code, welding, materials, configuration, etc? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)					

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION FF. CAMPBELL		2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6944
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6. DATE OF INSPECTION 11/19/03	7. DATE OF LAST INSPECTION 10/21/03	8. DELIVERY ORDER NO.	9. CONTRACT NO.
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10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 38	12A. YEAR BUILT 1983	12B. YEAR INSTALLED 1983
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13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI
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15. MANUFACTURER KEWANEE	16. MANUFACTURER'S RATING MBTU / LBS. / HR 4,185 MBH	17. NATIONAL BOARD NUMBER 37607	18. USAF NUMBER #2
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER	
27. REPAIRS MADE SINCE LAST INSPECTION <input type="checkbox"/> None <input checked="" type="checkbox"/> Other (Specify) NEW MAIN STEAM STOP VALVE	

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) TYPE "C" INSPECTION	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) LWCO failed to put the boiler into LOCKOUT	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES SAT	
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INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,260	34. CONDITION AND HOW TESTED TEST SAT BY HAND

35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT
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37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR
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39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT
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41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain)	
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AF1222 REV 2/02	
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INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The secondary low water fuel cutoff device must be equipped with a manual reset which puts the boiler into lockout following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION FT CAMPBELL		2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 6944
6. DATE OF INSPECTION 11/19/03	7. DATE OF LAST INSPECTION 10/21/03	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 38	12A. YEAR BUILT 1983	12B. YEAR INSTALLED 1983		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI			
15. MANUFACTURER KEWANEE	16. MANUFACTURER'S RATING MBTU / LBS. / HR 4,185 MBH	17. NATIONAL BOARD NUMBER 37516	18. USAF NUMBER #3		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☐ None ☒ Other (Specify)

NEW MAIN STEAM VALVE

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) **TYPE "C" INSPECTION**

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

LWCO failed to put the boiler into lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,260	34. CONDITION AND HOW TESTED Test SAT by HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR Test SAT		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BURNER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION FT. CAMPBEN	2A. CITY	3. STATE KY	4. ZIP CODE 40475	5. PLANT OR BLDG. 7005	
6. DATE OF INSPECTION 11/18/03	7. DATE OF LAST INSPECTION 10/21/03	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION 0	11B. PRESSURE THIS INSPECTION 36	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) N/A	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER CLEVER BROOKS	16. MANUFACTURER'S RATING MBTU / LBS. / HR HS = 150 g/h	17. NATIONAL BOARD NUMBER 60026	18. USAF NUMBER #1		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:	
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) **Type "C" INSPECTION**

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) **Right front hand hole plug leaking, CAUSING CORROSION on boiler shell AND right front support leg. Boiler very slow to blowdown**

LWCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

CORROSION ON Right front support legs

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 1,517	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE RIGHT FRONT HAND HOLE GASKET MUST BE REPLACED. THE AREA AROUND THE HAND HOLE AND SUPPORT LEG SHOULD BE PROPERLY PREPARED AND PRESERVED.
- THE BOILER SHOULD BE THOROUGHLY CLEANED OF SCALE. THE BLOWDOWN PIPING SHOULD BE CLEARED OF ANY POSSIBLE OBSTRUCTION.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(210) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY	3. STATE <i>IL</i>	4. ZIP CODE <i>60475</i>	5. PLANT OR BLDG. <i>7008</i>
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/22/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>90</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>25,106 MBH</i>	17. NATIONAL BOARD NUMBER <i>38595</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date:		PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

BOTH SAFETY VALVES LEAKING

LWCO failed to put the boiler into LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-2 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>43,588</i>	34. CONDITION AND HOW TESTED <i>Test SAT - LEAKING</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR Test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- Both 2 1/2" safety valves must be replaced with ASME approved valves of the same size and capacity.
- The secondary low water fuel cutoff device must be equipped with a manual reset which puts the boiler into lockout following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger Chism Boilers plants

46A. SIGNATURE

R. Chism

46B. DATE OF SIGNATURE

19 Nov 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7008</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/22/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>90</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1984</i>		12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>Kewanee</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>25,106 MBH</i>		17. NATIONAL BOARD NUMBER <i>38607</i>		18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>150</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-2 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>47,775</i>		34. CONDITION AND HOW TESTED <i>Visually SAT - Not Tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>			
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>			
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, Not Tested, boiler Idle</i>			
41. ASME CODES				

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

No RECOMMENDATIONS

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Plant

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv. T.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External	<input type="checkbox"/> BA	<input type="checkbox"/> VA	
2. INSTALLATION <i>FT. Campbell</i>		Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB
		External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC
2A. CITY		External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD
		Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7008</i>			
6. DATE OF INSPECTION <i>11/19/03</i>	7. DATE OF LAST INSPECTION <i>10/22/03</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>75</i>	12A. YEAR BUILT <i>1992</i>	12B. YEAR INSTALLED <i>1992</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>OIL</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU/LBS. / HR <i>25,106 MBH</i>	17. NATIONAL BOARD NUMBER <i>44047</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>2 SAFETY VALVES LEAKING DURING OPERATION</i>	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>LOW WATER FUEL CUTOUT FAILED TO PUT THE BOILERS INTO LOCKOUT</i>	
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INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>3-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>35,553</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LOWCO & FLAME SENSOR TEST SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE FIRST 2 SAFETY VALVES MUST BE REPLACED WITH ASME APPROVED VALVES OF THE SAME SIZE AND CAPACITY.
- THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

F. Lawrence

45B. DATE OF SIGNATURE

19 NOV 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Plant

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

19 NOV 03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>Fl. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7042</i>
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6. DATE OF INSPECTION <i>11/18/03</i>	7. DATE OF LAST INSPECTION <i>10/20/03</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.
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10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>36</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>1034 16/hr</i>	17. NATIONAL BOARD NUMBER <i>15773</i>	18. USAF NUMBER <i>#1</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)			
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20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)		STATEMENT OF BASE CIVIL ENGINEER
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28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>	
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29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>Lower outer casing deteriorated fuel train in poor condition, covers missing from pressure switches & automatic gas shut off valves. safety valve discharge piping cannot properly drain LWCO failed to put boiler into LOCKOUT</i>	
30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT</i>	

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,669</i>	34. CONDITION AND HOW TESTED <i>Test SAT by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR test SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain)	
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INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- The deteriorated sections of the outer casing should be cut away. New insulation and sheet metal should be installed.
- The internal components of the gas pressure switches and automatic shut-off valves are exposed to a damp environment. The cover plates must be in place to insure proper operation of these devices.
- The safety valve discharge piping should have a $\frac{1}{8}$ " hole for drainage at its lowest point.
- The secondary low water fuel cutoff device must be equipped with a manual reset which puts the boiler into lockout following a low water condition.

45. TYPE OR PRINT NAME OF INSPECTOR

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>St. Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7049</i>
6. DATE OF INSPECTION <i>11/18/03</i>		7. DATE OF LAST INSPECTION <i>10/20/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel					11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>36</i>		12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>Cleaver Brooks</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS = 150 g/A</i>		17. NATIONAL BOARD NUMBER <i>60022</i>		18. USAF NUMBER <i>#1</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NS violations, etc.)

LUCCO Failed to put boiler into Lockout

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,652</i>		34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>			
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>			
39. REGULATORS AND CONTROLS	40. CONDITION <i>LUCCO & FLAME SENSOR Test SAT</i>			
41. ASME CODES				

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

18 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

46B. DATE OF SIGNATURE

11-19-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

11/19/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER

1. TYPE OF INSPECTION

Internal and External ☒ BA ☐ VA
Internal/External with Hydrostatic Test (same day) ☐ BB ☐ VB
External Under Operation ☐ BC ☐ VC
External Under Hydrostatic Test ☐ BD ☐ VD
Expansion/Receiver Tank or Internal with UT ☐ BE ☐ VE

2. INSTALLATION

2A. CITY

3. STATE

4. ZIP CODE

5. PLANT OR BLDG.

6. DATE OF INSPECTION

7. DATE OF LAST INSPECTION

8. DELIVERY ORDER NO.

9. CONTRACT NO.

10. OBJECT

☒ Fire Tube ☐ Cast Iron ☐ Water Tube ☐ Expansion Tank ☐ Pressure Vessel

11. PLANT
☐ Manned ☒ Unmanned

11A. PRESSURE PREVIOUS INSPECTION

11B. PRESSURE THIS INSPECTION

12A. YEAR BUILT

12B. YEAR INSTALLED

13A. PRIMARY FUEL (Boiler)

13B. SECONDARY FUEL (Boiler)

14. DESIGN WORKING PRESSURE OR TEMPERATURE

15. MANUFACTURER

16. MANUFACTURER'S RATING MBTU / LBS. / HR

17. NATIONAL BOARD NUMBER

18. USAF NUMBER

19. USE

☐ Power ☒ Steam Heating ☐ Process ☐ Storage ☐ HTHW Heating ☐ Heat Exchange ☐ Other (Specify)

20. METHOD OF FIRING (Boilers)

21. SAFETY/RELIEF VALVES SETTING

22. EXPLAIN IF PRESSURE CHANGED

23. PRESSURE GAGE TESTED
☐ Yes ☒ No

24. PURPOSE OF HYDROSTATIC TEST

☐ New ☐ Retest ☐ Repair

25. LAST HYDROSTATIC TEST

Date: UNK PSI:

26. HYDROSTATIC TEST

☐ Yes ☒ No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) MODERATE SCALE ON ALL WATERSIDE SURFACES AND IN LOWE PLANT CHAMBER

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakage, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES

32. SIZE

Number: 1-1/2, 1-1/4

33. TOTAL CAPACITY

CFM: BTU/HR: LB/HR: 4269

34. CONDITION AND HOW TESTED

USUALLY SAT, NOT TESTED

35. PRESSURE GAGES

36. CORRECTION TAKEN (If none give reason)

SAT

37. OTHER APPLIANCES

38. CONDITION

CLEAR & CLEAR

39. REGULATORS AND CONTROLS

40. CONDITION

USUALLY SAT, NOT TESTED, boiler idle

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

PROPER CHEMICAL TREATMENT AND blowdowns must be administered to
CONTROL SCALE.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

20 Nov 03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External <input checked="" type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE			
2. INSTALLATION <i>FT. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		5. PLANT OR BLDG. <i>7116</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11A. PRESSURE PREVIOUS INSPECTION <i>40</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12A. YEAR BUILT <i>1984</i>	
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2.511 MBH</i>		12B. YEAR INSTALLED <i>1984</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>38298</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:	
STATEMENT OF BASE CIVIL ENGINEER					
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)					

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *No Adverse Conditions Noted*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *No Adverse Conditions Noted*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,280</i>	34. CONDITION AND HOW TESTED <i>Visually SAT. NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, NOT TESTED, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☒ Yes ☐ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☒ Yes ☐ No43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)
NO RECOMMENDATIONS

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

*19 Nov. 2003**NB 11658*

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

*11-20-03**(270) 798-5753*

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER 		1. TYPE OF INSPECTION		
		Internal and External <input type="checkbox"/> BA <input type="checkbox"/> VA Internal/External with Hydrostatic Test (same day) <input type="checkbox"/> BB <input type="checkbox"/> VB External Under Operation <input checked="" type="checkbox"/> BC <input type="checkbox"/> VC External Under Hydrostatic Test <input type="checkbox"/> BD <input type="checkbox"/> VD Expansion/Receiver Tank or Internal with UT <input type="checkbox"/> BE <input type="checkbox"/> VE		
2. INSTALLATION <i>LA CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		4. ZIP CODE <i>40475</i>
		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>7116</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>38</i>		12A. YEAR BUILT <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		12B. YEAR INSTALLED <i>1984</i>
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>6277 MBH</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		17. NATIONAL BOARD NUMBER <i>38156</i>		18. USAF NUMBER <i>#3</i>
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		
STATEMENT OF BASE CIVIL ENGINEER				
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)				

INTERNAL INSPECTION	
28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>	

EXTERNAL INSPECTION	
29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>	

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT</i>	
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INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,210</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

- THE SECONDARY LOW WATER FUEL CUTOFF device must be equipped with A MANUAL RESET which puts the boiler into lockout following A LOW WATER Condition.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>FL Campbell</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7154</i>
6. DATE OF INSPECTION <i>11/19/03</i>		7. DATE OF LAST INSPECTION <i>10/21/03</i>		8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>34</i>		12A. YEAR BUILT <i>1987</i>		12B. YEAR INSTALLED <i>1987</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>KEWAUNEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>5,021 MBH</i>		17. NATIONAL BOARD NUMBER <i>40739</i>		18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
☒ None ☐ Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

LWCO FAILED TO PUT THE BOILER INTO LOCKOUT

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>7,411</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT.</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? ☐ Yes ☒ No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☒ Yes ☐ No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

☐ Yes ☒ No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

THE SECONDARY LOW WATER FUEL CUTOFF DEVICE MUST BE EQUIPPED WITH A MANUAL RESET WHICH PUTS THE BOILER INTO LOCKOUT FOLLOWING A LOW WATER CONDITION.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

19 Nov. 2003

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

11-20-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

11/20/03